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Neely Jo Entwistle



PATENT

Customer No. 22,852

Attorney Docket No. 09915.0002-00000

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
	)	
Stephane FOLLONIER et al.	)	Group Art Unit: 1641
	)	
Application No.: 10/670,912	)	Examiner: Nelson C. YANG
	)	
Filed: September 24, 2003	)	
	)	
For: DEVICE, SYSTEM AND METHOD	)	Confirmation No.: 6522
OF DETECTING TARGETS IN A	)	
FLUID SAMPLE	)	

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL RESPONSE**

Sir:

In an Advisory Action, mailed February 21, 2007, the Office questioned the support for the concept of light transmitting through the fluid itself. Support can be found, for example, at page 7 (discussing how a change in the optical properties of the fluid filling the tube may induce a change in the amount or in the characteristics of the guided light); page 9 (discussing the ability of the tube to guide light); Figure 1 (showing the detection device at the end of the tube); and page 8 (indicating that with gaseous samples and with liquid samples, which are partially light transparent, the measurement can occur simultaneously to the sample flow and can run continuously through the measuring cell.)

The Office also noted that "while applicant discloses how light travels through the measuring cells (see, p. 7), there is no discussion on how the light travels through the